ORAZMETOV, Z.; GORELKIN, L.M.; POTYAYEV, M.Ye.; ZARUDI, Ye.O., metodist; MITENEV, V.S.; VASIL'YEV, A.V.; GORSHENKOV, N.G.; RUTKOVSKIY, O.O.; KUSYAPKULOVA, T.Sh.

Letters to the editors. Geog. v shkole 22 no.2:72-76 Mr-Ap '59. (MIRA 12:6)

1. 1-ya shkola pos. Andreyevka Turkmenskoy SSR (for Orazmetov). 2. Shkola pri shakhte No.11 Karachayevskogo rayona Stavropol'skogo kraya (for Gorelkin). 3. Andreyevskaya semiletnyaya shkola Penzenskoy oblasti (for Potyayev). 4. Bashkirskiy institut usovershenstvovaniya uchiteley (for Zarudi). 5. Rayonnyy pedagogicheskiy kabinet s.Kich-Gorodok Vologodskoy oblasti (for Mitenev). 6. Alekseyevskaya shkola Stalingradskoy oblasti (for Vasil'yev). 7. Yakhromskaya shkola No.2 Moskovskoy oblasti (for Gorshenkov). 8. 4-ya shkola g.Alma-Ata (for Rutkovskiy). 9. 64-ya shkola g.Alma-Ata (for Kusyapkulova).

(Geography--Study and teaching)

KURZON, Ananiy Grigor'yevich, doktor tekhn.nauk, prof.; LITAVRIN, Oleg Grigor'yevich, inzh.; PETROV, Yevgeniy Valerianovich, inzh.; POTYAYEV, Vyacheslav Andreyevich, kand. tekhn.nauk; KHOROZYANTS, Aleksandr Georgiyevich, kand. tekhn nauk; CHERTKOV, Aleksandr L'vovich, Laureat Leninskoy premii; YUTKEVICH, Rostislav Mikhaylovich, inzh.; MOISEYEV, A.A., doktor tekhn.nauk, prof., retsenzent; MASLOV, A.A., kand. tekhn. nauk, dots., retsenzent; ZAYTSEV, Yu.I., kand. tekhn. nauk, retsenzent; KOZHEVNIKOV, A.V., kand. tekhn.nauk, retsenzent; GITEL'MAN, A.I., inzh., retsenzent; SMIRNOV, Yu.I., red.; TSAL, R.K., tekhn. red.

[Marine steam and gas turbines]Sudovye parovye i gazovye turbiny. Pod red. A.G.Kurzona. Leningrad, Sudpromgiz. Vol.2. [Systems and working principle of turbomachinery units] Sistemy i ustroistva turboagregatov. 1962. 419 p. (MIRA 15:11)

(Marine turbines)

POTYAYEV, V.A., kand.tekhn.nauk

Control of marine gas turbine units. Sudostroenie 24 no.4:21-26 Ap '58. (MIRA 11:4)
(Marine gas turbines)

POTYAYEV, V. A.

SOV/6240

PHASE I BOOK EXPLOITATION

Kurzon, Ananiy Grigor'yevich, Oleg Grigor'yevich Litavrin, Yevgeniy Valerianovich Petrov, Vyacheslav Andreyevich Potyayev, Aleksandr Georgiyevich Khorozyants, Aleksandr L'vovich Chertkov, and Rostislav Mikhaylovich Yutkevich

Sudovyye parovyye i gazovyye turbiny. tom. 2: Sistemy i ustroystva turboagregatov (Marine Steam and Gas Turbines. v. 2: Systems and Devices of Turbine Units). Leningrad, Sudpromgiz, 1962. 419 p. Errata slip inserted. 5000 copies printed.

Ed. (Title page): A. G. Kurzon, Doctor of Technical Sciences, Professor; Reviewers: A. A. Moiseyev, Doctor of Technical Sciences, Professor, Yu. I. Zaytsev, Candidate of Technical Sciences, Docent, A. I. Gitel'man, Engineer, L. A. Maslov, Candidate of Technical Sciences, Docent, A. V. Kozhevnikov, Candidate of Technical Sciences; Ed.: Yu. I. Smirnov; Tech. Ed.: R. K. Tsal.

Card 1/[illegible] 2

S/0000/64/000/000/0076/00086

ACCESSION NR: AT4042439

AUTHOR: Potyayev, V. A.

TITLE: Analysis and synthesis of relay control systems in shipboard power plants

SOURCE: Vsesoyuznoye soveshchaniye po pnevmo-gidravlicheskoy avtomatike. 5th, Leningrad, 1962. Pnevmo- i gidroavtomatika (Pneumatic and hydraulic control); materialy* soveshchaniya. Moscow, Izd-vo Nauka, 1964, 76-86

TOPIC TAGS: automatic control, control system, gas turbine, marine transmission, relay system, power plant, shipboard power plant, marine engine, pneumatic control system, hydraulic control system, pneumatic relay

ABSTRACT: The author notes that the overall automation of power plants on ships, together with the development and expansion of the area of applicability of continuous operation systems, presupposes automating the actions of the servicing personnel in the issuance of discrete commands. He argues that, in view of the high reliability of pneumatic and hydraulic discrete-action devices under shipboard conditions and because of the direct connection of the relay control system with the continuous-action regulatory system (in most cases — hydraulic or pneumatic), it is advisable to have a unified hydraulic or

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ACCESSION NR: AT4042439

pneumatic control system for the entire installation. In the present article, the author attempts to apply the theory of relay-contact arrangements to the solution of problems in the synthesis and analysis of relay systems using pneumatic and hydraulic automatic components, with attention to the specific characteristics of these elements. Specifically considered, by way of illustration, is a relay control system for the reversing mechanism of a ship's gas-turbine unit with a toothed reversal transmission. In his discussion of the actual design of the relay systems using hydro- and pneumo-automation components, the author underscores the general applicability to this problem (in which, in effect, there are only two states: "on" and "off") of all the laws of logical algebra. General principles and arrangements of control elements are discussed, and on this basis both an analysis of developed relay control systems and a rational synthesis of these systems are made. The first example considered involved the analysis of the basic automatic control diagram of the couplings of the power transmission shown in the Enclosure. A second, and more complex, example concerns the reversal and blocking arrangement for the fuel system of a shipboard gas-turbine installation. The examples of the analysis and synthesis of pneumatic relay control systems given in the article confirm the feasibility

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ACCESSION NR: AT4042439

of constructing rather complex pneumatic relay systems for the control of highly developed facility systems. The further development of pneumo- and hydro-systems in terms of the use of more advanced equipment (H-circuits, balanced circuits, valve elements, etc.), of the type already employed in electrical relay systems, will permit the solution of almost any control problem with a minimum number of components. Orig. art. has: 4 tables and 15 figures.

ASSOCIATION: none

SUBMITTED: 29Jan64 ENCL: 01

SUB CODE: IE, PR NO REF SOV: 003 OTHER: 000

Card 3/4

POTYAYEV, V. A.

"Study of Nautical Gas Turbine Power Plants as Controllable Units." Leningrad Ship Building Inst., Leningrad, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 93-105

POTYAYEV, V.A.

Prospects for the utilization of pneumatic automation equipment in automatic control systems on ships. Trudy LKI no.32:77-86 '60. (MIRA 15:2)

1. Kafedra avtomaticheskogo regulirovaniya i teplotekhnicheskikh izmereniy Leningradskogo korablestroitel'nogo instituta.
(Automatic control)(Marine engineering)

ACC NR: AT6021745 (N) SOURCE CODE: UR/0000/66/000/000/0203/0210

AUTHOR: Potyayev, V. A.; Stegalichev, Yu. G.

ORG: none

TITLE: Use of pneumatic devices in the regulation, control and protection of shipboard power plants

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki. Pnevmoavtomatika (Pneumatic automation). Moscow, Izd-vo Nauka, 1966, 203-210

TOPIC TAGS: pneumatic device, pneumatic servomechanism, pneumatic control system, pressure measurement, pressure measuring instrument, automatic pneumatic control, power plant, power plant component

ABSTRACT: The functions of the regulation, control, and protection system for a gas turbine power plant are as follows: a) preparation for starting the power plant using a logic system controlling the feed lines and auxiliary mechanisms; b) starting the power plant, controlling the ignition of the fuel, metering the fuel and the turn-off of the starter once the starting process has been completed; c) fuel metering for a given stationary load on the power plant; d) maneuvering in accordance with an optimum process of fuel feed; e) reversing; f) protection of the power plant against catastrophic changes in parameters; h) control and signaling; and i) stopping the power plant

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ACC NR: AT6021745

and deactivating the auxiliary mechanisms and systems. The system's pneumatic components include an rpm transducer, based on force balance, capable of measuring up to 700 rpm; a manometer, using a spring balanced diaphragm; a piston type prime mover, operating on differential pressure, and intended to be used as a servo drive; a pneumoelectric transducer (a pressure sensitive switch, that can be adjusted for actuation at a desired pressure); and an electropneumatic transducer, which opens and closes pneumatic control valves in response to electric signals. Each of these devices is explained in drawings and schematic diagrams. Orig. art. has: 8 figures.

SUB CODE: 13,14,21/ SUBM DATE: 03Feb66/ ORIG REF: 004

Card 2/2

GORB, T.V. [Horb, T.V.], doktor sel'skokhoz.nauk; TERESHCHENKO, F.K., kand.biolog.nauk; BOGAYEVSKIY, O.T. [Bohaievs'kyi, O.T.], kand. veterin.nauk; POTYEMKIN, M.D., [Pot'omkin, M.D.], akademik; KNIGA, M.I. [Knyha, M.I.]; POPOV, O.Ya., kand.sel'skokhoz.nauk; KHMELIK, G.G. [Hmelyk, H.H.], kand.sel'skokhoz.nauk; SHRAM, I.P., kand.sel'skokhoz.nauk [deceased]; KOPIL, A.M., kand.sel'skokhoz. nauk; TSELYUTIN, V.K., kand.sel'skokhoz.nauk; BOZHKO, P.Yu., doktor sel'skokhoz.nauk; KROMIN, S.S., kand.sel'skokhoz.nauk; ZEMLYANSKIY, V.M. [Zemlians'kyi, V.M.], kand.sel'skokhoz.nauk; BORISENKO, A.M. [Borysenko, A.M.], kand.biolog.nauk; ZAKHARENKO, V.B., kand.biolog. nauk; SMIRNOV, I.V. [Smyrnov, I.V.], kand.biolog.nauk; KHRABUSTOVSKIY, I.F. [Khrabustovs'kyi, I.F.], kand.biolog.nauk; TORSTYANETSKAYA, M.N., [Trostianets'ka, M.N.], assistent; ALESHKO, P.I., inzh.; VASIL'YEV, Vasyl'iev, O.F., kand.tekhn.nauk; BUGAYENKO, I.I. [Buhaienko, I.I.], starshiy prepodavatel'; TRAKHTOMIROVA, O.O., kand.ekonom.nauk; BUTKO, S.D., kand.ekonom.nauk; TELESHIK, K.G. [Teleshyk, K.H.], doktor ekonom.nauk; YAROSHENKO, V.D., kand.ekonom.nauk; LISIY, I.Y. [Lysyi, I.I.], red.; YEROSHENKO, T.G. [IEroshenko, T.H.], tekhn.red.

[Handbook for zootechnicians] Dovidnyk zootekhnika. 2., dopovnene i pereroblene vyd. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry URSR, 1960. 728 p. (MIRA 15:2)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina (for Potemkin). 2. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Kniga).
(Stock and stock breeding)

POTEMKIN, P. S.

30339

Uravnveniye dlya opryedyelyeniya usadochnykh svorstv kyeramichyeskikh mass i yego praktichyeskoye primyenyeniye. Trudy kyeram. in-ta vyp. 22, 1949, s. 36-39

SO: LETOPIS' No. 34

USSR/Diseases of Farm Animals - Diseases Caused by Helminths. R.
Arachno-Entoms.

Abs Jour : Ref Zhur - Biol., No 6, 1958, 26348

Author : Potyemkin, V.I.

Inst : All-Union Scientific Research Institute of Veterinary Sanitation and Ectoparasitology.

Title : Application of Methoxychlor in Hypodermatinosis (Warble Fly /Infestation/) of Large Horned Cattle. A Preliminary Report.

Orig Pub : Tr. Vses. n.-i. in-ta vet. sanitarii i ektoparasitol., 1957, 11, 171-172

Abstract : Observations were made which showed that a seven percent oily solution of methoxyxhlor fatally affects warble fly larvae which are found under the skin of animals.

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3/

POTYKEVICH, I.V. [Potykevych, I.V.]

Magnetic susceptibility of cadmium telluride. Ukr. fiz. zhur. 8 no.7:793-795 Jl '63. (MIRA 16:8)

1. Chernovitskiy gosudarstvennyy universitet.
(Cadmium telluride--Magnetic properties)

POTYKEVICH, I.V. [Potykevych, I.V.]; CHEPURA, S.V. [Chepura, S.V.]

Electric properties of the ternary semiconducting compound $CdIn_2Te_4$. Ukr. fiz. zhur. 8 no.8:889-893 Ag '63. (MIRA 16:11)

1. Chernovitskiy gosudarstvennyy universitet.

ACCESSION NR: AR4014767 S/0058/63/000/012/E063/E063

SOURCE: RZh. Fizika, Abs. 12E537

AUTHOR: Poty*kevich, I. V.

TITLE: Magnetic susceptibility of cadmium telluride

CITED SOURCE: Nauchn. yezhegodnik za 1959 g. Chernovitsk. un-t. Fiz.-matem. fak. Chernovtsy*, 1960, 599-600

TOPIC TAGS: cadmium telluride, magnetic susceptibility, magnetic balance, vacuum magnetic balance

TRANSLATION: The magnetic susceptibility of single crystals of CdTe, grown by the Bridgman method, was determined with the aid of a vacuum magnetic balance in the temperature interval from room to 500C. The magnetic susceptibility of the purest samples turned out to be independent of the temperature and equal to 0.39×10^{-6} cgs

Card 1/2

ACCESSION NR: AP3006821 S/0185/63/008/008/0889/0893

AUTHOR: Poty*kevy*ch, I. V.; Chepura, S. V.

TITLE: Electrical properties of the ternary semiconducting compound $CdIn_2Te_4$

SOURCE: Ukrains'ky*y fizy*chny*y zhurnal, v. 8, no. 8, 1963, 889-893

TOPIC TAGS: semiconductor property, ternary semiconducting compound, cadmium-indium-tellurium semiconducting compound, cadmium-indium sub 2 tellurium sub 4, transport phenomena, thermal EMF, forbidden zone width, electrical conductivity

ABSTRACT: Temperature dependences of electrical conductivity and thermal E.M.F. were measured for $CdIn_2Te_4$ monocrystals from liquid air temperatures to 350C. The samples were grown from mixtures of CdTe and In_2Te_3, and were n-type. The effect of annealing on the stability of the characteristics $\sigma(T)$ and $\alpha(T)$ was studied. The width of the forbidden zone was found to be 1.0 eV. Sharp maxima are found on the $\alpha(T)$ curves in the temperature range of 120-250 C. Orig. art. has 2 figures and 1 table.

ASSOCIATION: Chernivets'ky*y Derzhuniversy*tet (Chernivets'ky*y State University)

Card 1/2

Some properties of solid solutions based on gallium phosphide.
V. V. Nezreskul, S. I. Radautsan, I. K. Takhtareva (10 minutes).

Some electrical, optical, and magnetic properties of the ternary semiconducting compound $CdIn_2Te_4$. I. V. Potykevich, O. I. Belyayev, S. V. Chepura (10 minutes).

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

Magnetic properties of semiconductors. K. D. Tovstyuk.

This presentation consisted of the following papers:

Anisotropy of susceptibility of semiconductors. K. D. Tovstyuk, E. I. Slynko, I. M. Stakira, G. M. Boretz.

Magnetic and thermomagnetic properties of HgTe, PbTe, HgSe, PbSe. K. D. Tovstyuk, M. P. Gavaleshko, Ya. S. Budzhak, P. M. Starik, P. I. Voronyuk.

Magnetic susceptibility of CdTe and ZnTe. I. V. Potykevich, A. V. Savitskiy.

Magnetic properties of the system HgTe-CdTe. K. D. Tovstyuk, I. M. Rarenko, I. V. Potykevich.

Anisotropy of the thermal conductivity of CdSb. I. M. Pilat, L. I. Anatychuk.

Electrical, magnetic, and optical properties of the system In_2Te_3-CdTe. I. V. Potykevich, A. I. Belyayev, S. V. Chupura.

Properties of crystals of CdSb doped with elements of groups IV and VI. [illegible]

[illegible] Semiconductor Compounds,

POTYKEVICH, I.V.; BELYAYEV, O.N. [Biliaiev, O.M.]

Some optical properties of the ternary semiconducting compound $CdIn_2Te_4$. Ukr. fiz. zhur. 8 no.9:967-969 S '63. (MIRA 17:8)

1. Chernovitskiy gosudarstvennyy universitet.

POTYKEVICH, I.V. [Potykevych, I.V.]; SAVITSKAYA, I.V. [illegible]

Magnetic susceptibility of the system CdSe - [illegible]. Ukr. fiz. zhur.
8 no.11:1274-1276 N '64. (MIRA 17:3)

1. Chernovitskiy gosudarstvennyy universitet i Drogobitskiy pedagogicheskiy institut.

ACC NR: AR6025760 SOURCE CODE: UR/0058/66/000/004/A075/A075

AUTHOR: Potykevich, I. V.; Belyayev, O. M.; Chepura, S. V.

TITLE: Growing of single crystal CdTe, In_2Fe_3, and $CdIn_2Te_4$ and of single crystals of $CdTe-In_2Te_3$ solid solutions, and some of their physical properties

SOURCE: Ref. zh. Fizika, Abs. 4A633

REF. SOURCE: Sb. Simpozium. Protsessy sinteza i rosta kristallov i plenok poluprovodnik. materialov, 1965. Tezisy dokl. Novosibirsk, 1965, 29-30

TOPIC TAGS: single crystal growing, cadmium containing alloy, tellurium containing alloy, indium containing alloy, iron containing alloy, solid solution

ABSTRACT: Results are presented of a comprehensive study of the production conditions, structure, and physical properties of binary compounds CdTe and In_2Te_3 and of solid solutions on their basis. Questions dealing with the choice of optimal temperature regimes for single-crystal growth are considered. Of very great importance for the $CdTe-In_2Te_3$ system is the choice of the most effective method of homogenization of the solid solutions. Particular attention is paid to synthesis and growth of crystals of the ternary semiconductor compound $CdIn_2Te_4$, which is obtained via a peritectic reaction in the investigated system and is a compound of the type AB_2X_4 with

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ACC NR: AR6025760

sp^3 hybridization. [Translation of abstract].

SUB CODE: 20

hs

Card 2/2

ACC NR: AR6030496 SOURCE CODE: UR/0275/66/000/006/B015/B015

AUTHOR: Potykevich, I. V.; Belyayev, O. M.; Chepura, S. V.

TITLE: Growing CdTe, In_2Te_3, $CdIn_2Te_4$ single crystals and $CdTe—In_2Te_3$ solid-solution single crystals and some of their physical properties

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 6B100

REF SOURCE: Sb. simpozium. Protsessy sinteza i rosta kristallov i plenok poluprovodnik. matelialov, 1965. Tezisy dokl. Novosibirsk, 1965, 29-30

TOPIC TAGS: single crystal growing, semiconductor single crystal

ABSTRACT: An investigation of electrical, thermoelectric, magnetic, and photo-optical properties has permitted conducting and controlling the process of synthesis and growing CdTe and In_2Te_3 single crystals and solid solutions based on them. X-ray diffraction data corroborated by the results of thermal analysis and micro-structural study has pointed up to a formation of solid solutions in the $CdTe—In_2Te_3$ system. Optimal temperature conditions for single-crystal growing are selected. The most efficient methods of homogenization of solid solutions, particularly in In_2Te_3-rich alloys, are very important in handling the $CdTe—In_2Te_3$ system. Special attention is paid to the synthesizing and growing the crystals of a little-known triple semiconductor compound $CdIn_2Te_4$ which comes from a peritectic reaction in the above system and which belongs with the type AB_2X_4 compounds with SP^3-hybridization. I. P. and others . [Translation of abstract]

SUB CODE: 20

Card 1/1 UDC: 621.315.592:548.552:541.412

L 18880-66 EWT(1)/EWT(m)/EWP(t) IJP(c) AT/JD

ACC NR: AP6007802 SOURCE CODE: UR/0185/66/011/002/0219/0221

AUTHOR: Bilyayev, O. M.; Lyubchenko, O. V.; Potykevych, I. V.

ORG: Institute of Semiconductors, AN URSR, Kiev (Instytut napivprovidnykiv AN URSR)

TITLE: New high-sensitivity photoconductor $CdIn_2Te_4$

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 11, no. 2, 1966, 219-221

TOPIC TAGS: photoconductivity, cadmium compound, optic transmission, forbidden band, electric conductivity, temperature dependence

ABSTRACT: Although $CdIn_2Te_4$ has been synthesized and its semiconductor properties discovered some time ago, no measurements of its photoelectric properties have been made before. The authors synthesized six n-type single crystals of this substance, measuring 1 x 1 x 0.5 mm, by a procedure described elsewhere (Tezisy dokladov 3-go soveshchaniya po rostu kristallov [Abstracts of Papers of the 3rd Conference on Crystal Growth], Moscow, AN SSSR, 1963, p. 58). The transmission and photoconductivity spectrum were measured with a monochromator (IKS-12). The photocurrent shows a maximum near 1.04—1.06 μ, and decreases much more slowly in the short-wave side than in the long-wave side. The width of the forbidden band, as determined from the drop in photosensitivity at the long-wave edge is 1.09—1.12 ev, is in

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ACC NR: AP6007802

agreement with results by others. Change in temperature from -150 to 25C does not change the shape of the spectrum, but shifts it towards shorter wavelengths. The dark conductivity increases with increasing temperature. However, the width of the forbidden band determined from the plot of the dark photoconductivity against the reciprocal of the temperature (0.83—0.85) is lower than obtained from the photocurrent curve. All crystals had a slightly sublinear lux-ampere characteristic, $\sigma \sim L^{\alpha}$, with $\alpha = 0.9$ at -150C and ≤ 0.7 at 25C. It is concluded that $CdIn_2Te_4$ can be regarded as a new highly sensitive photoconductor with a few interesting properties. The authors thank V. YE. Lashkar'ov (Lashkarev) and M. K. Sheynkman for interest in the work and advice. Orig. art. has: 2 figures. [02]

SUB CODE: 20/ SUBM DATE: 13Sep65/ ORIG REF: 004/ OTH REF: 003
ATD PRESS: 4217

POTYL'CHANSKIY, L.S.

Significance of collateral cardiac circulation as factor in sudden death in coronary atherosclerosis. Trudy LSGMI 40: 159-176 '58. (MIRA 12:8)

1. Kafedra sudebnoy meditsiny Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.kafedroy - prof.A.V.Vel'ter).

(CORONARY DISEASE, physiology,
arteriosclerosis, collateral circ. in
sudden death (Rus))

POTYL'CHANSKIY, L.S.

Features of coronary arteriosclerosis and sudden death in cases of different types of blood supply to the heart. Trudy LSGMI 48:265-273 '59. (MIRA 14:2)

(CORONARY HEART DISEASE)

ALEKSANDROV, E.P.; POTYL'CHANSKIY, L.S.

Prevention of sudden death in hypertension and atherosclerosis.
Sud.-med. ekspert. 4 no.3:7-10 Jl-S '61. (MIRA 14:10)

1. Kafedra sudebnoy meditsiny (zav. - prof. A.V.Val'ter) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.
(HYPERTENSION) (ARTERIOSCLEROSIS)
(DEATH--CAUSES)

POTYL'CHANSKIY, L.S.

Blood supply of the hypertrophic heart in cases of sudden death in coronary arteriosclerosis. Trudy LSGMI 48:315-320 '59.
(MIRA 14:2)

(CORONARY HEART DISEASE) (HEART--HYPERTROPHY AND DILATATION)

POTYLITSYN, I.V.

New sparkproof systems for the remote control of explosion-proof magnetic starters. Nauch. soob. VostNII no.3:103-113 '63.
(MIRA 17:5)

POTYLITSYN, I.V., inzh.; B[illegible]TENKO, I.P., inzh.

Protection of electric motors in mines against irregular working conditions. Izv.vys.ucheb.zav.; gor.zhur. 6 no. 12:164-169 '63. (MIRA 17:5)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti rabot v gornoy promyshlennosti.

POTYLITSYN,N.M., glavnyy inzhener

Hauling tree-length logs. Mekh.trud.rab.9 no.8:34-37 Ag'55.
(MLRA 8:10)

1. Kombinat Zabaykalles.
(Lumber--Transportation) (Fork lift trucks)

S/020/60/132/01/19/064
B014/B014

AUTHORS: Yablonskiy, S. V., Gil'man, A. M., Kotel'nikov, I. V., Potylitsyn, P. M.

TITLE: A Device for Studying the Control Algorithms of Traffic

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 1, pp. 78-81

TEXT: By way of introduction, the authors refer to an investigation carried out by V. V. Korobkov at Moskovskiy gosudarstvennyy universitet (Moscow State University) in which it is shown that automatons for traffic regulation, which meet the requirements of modern traffic, are very complicated. It was necessary to build a device for the proper choice of control algorithms. Such a device was designed at Gor'kovskiy gosudarstvennyy universitet (Gor'kiy State University), and its mode of operation is described in the article under review. First, the main elements of traffic on a crossroad are explained, and the traffic itself is divided into three groups according to the direction and change in direction on the crossroad. Furthermore, the geometric conditions and the control algorithm are referred to as being the main elements of traffic on a crossroad. Here, the six control algorithms shown in Fig. 1 are discussed,

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A Device for Studying the Control Algorithms of Traffic

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B014/B014

each of which is assumed to hold for some time. In order to be able to observe the traffic with a given control algorithm, the device mentioned above was built. The authors chose a type of crossroad at which two two-way roads meet, and it was assumed that regulation be carried out by means of a four-point traffic light. The control circuit is illustrated in Fig. 2. Random traffic events are simulated here by means of eight buzzer generators which indicate the vehicles approaching the crossroad by emitting pulses. Eight counters count the vehicles which are indicated by fifteen lights. The control algorithm is realized by a special programing device. The codes are transformed by a device which also processes information. Digital computers may be used for thess two devices. The observer's desk is shown in Fig. 3. There are 3 figures.

ASSOCIATION: Issledovatel'skiy fiziko-tekhnicheskiy institut Gor'kovskogo gosudarstvennogo universiteta im. N. I. Lobachevskogo (Research Institute of Physics and Technology of Gor'kiy State University imeni N. I. Lobachevskiy)

PRESENTED: October 3, 1959, by M. V. Keldysh, Academician

SUBMITTED: September 24, 1959

Card 2/2

[illegible] L.G.; [illegible], [illegible]

Some lumin[illegible] [illegible] reactions [illegible] thiocarbamide. Ves[illegible]. [illegible] [illegible] no.22:136-142 [illegible]
([illegible] 1961)

POTYLITSYNA, L.G.

3

A new method of decomposition and separation of some [illegible] with ammonium nitrate.[27] P. M. Isakov and L. G. [illegible]

[illegible]

... glass bottle. Mix ... with 50 times its ...

... not dissolve hematite. Wash the residue with distd. H₂O. Titrate the pyrite Fe with [illegible] or det. gravimetrically. Fuse the hematite in a porcelain crucible with 30 times its amt. of NH_4Cl at 300° for 10 min. Decomp. cerussite and siderite mixts. in the same way, but add 50 times their amt. of NH_4NO_3 and heat the mixt. for 15 min. Cool and wash the [illegible] with H_2O until no Pb is detected in the washings. Pb in this reaction forms [illegible], but Fe remains insol. as oxide. The results show a high accuracy. A. V.

1 Potylitsyna, L.G.

USSR/ Analytical Chemistry. Analysis of Inorganic Substances. G-2

Abs Jour: Referat. Zhur.-Khimiya, No. 8, 1957, 27207.

Author : P.M. Isakov, L.G. Potylitsyna.

Inst : All-Union Scientific Research Institute of Geology.

Title : Determination of Sulfate, Elementary and Sulfide Sulphur in Pyrites.

Orig Pub: Inform. sb. Vses. n.-i. geol. in-ta, 1956, No. 3, 137 - 139.

Abstract: The method of determination of elementary sulphur in presence of sulfide sulphur was improved. The elementary S is transferred into $S_2O_3^{2-}$ by heating the sample containing elementary and sulfide S at 140° (1 hour) together with a 10-fold excessive

Card 1/2

POTYLITSYNA, L.G

ISAKOV, P.M.; POTYLITSYNA, L.G.

Rapid method for analyzing scorodite, simultaneously separating the iron and arsenic in it. Inform. sbor. VSEGEI no.4:139-141 '56.
(Scorodite) (MLRA 10:4)

ISAKOV, P.M.; POTYLITSYNA, L.G.

Possibility of getting combined phosphorus-potassium fertilizers from phosphorites by grinding. Vest. Len. un. 11 no.24:89-93 '56. (MLRA 10:2)

(Phosphorites) (Fertilizers and manures)

ISAKOV, P.M.: POTYLITSYNA, L.G.

Determining sulfates, sulfides, and sulfur in pyrites. Inform.abor. VSEGEI no.3:137-139 '56. (MLRA 10:1)
(Pyrites) (Sulfur compounds)

POTYLITSYNA, L. G.

sol. P, whereas the apat[illegible] gave only 5% sol. When the 12.43% P_2O_5 sample was treated with 1, 2, 3, 4, 5 g. $KHSO_4$, ground in a mortar for 15 min. and treated with 1 cc. H_2O, the mixts. with 2 to 5 g. gave a considerable quantity of sol. P_2O_5, about ½ of the total. Tests with aqueous citr. using 5 g. $KHSO_4$ and grinding for 5, 10, 15, and 30 min., show that the sol. P was highest with grinding for 10 min. and continued for 30 min. [illegible] of the total, after grinding for 5 and 10 min. 11.5%, respectively, was sol., and after 5 min. [illegible] The presence of $CaCO_3$ in the phosphates hinders somewhat the soln. of the phosphates. It is suggested that grinding the mixts. and applying it as fertilizer should furnish sol. P, the K of course adding another important fertilizer ingredient.

I. S. Joffe

ISAKOV, P.M.; POTYLITSYNA, L.G.

New method for the decomposition and splitting of minerals by means of ammonium nitrate. Inform.sbor. VSEGEI no.1:140-142 '55.
(MLRA 9:12)

(Ammonium nitrate) (Mineralogy, Determinative)

POTYLITSYNA, IuG

After dissolving in acidified H_2O and filtering, the S^{--} is detd. as SO_4^{--} with 5% $BaCl_2$. All results agree with corresponding classical (aqua regia) detns. P. S.

MT

Potylitsyna, L. G.

15-57-7-9488

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7, p 109 (USSR)

AUTHORS: Isakov, P. M., Potylitsyna, L. G.

TITLE: The Determination of the ~~Sulfate;~~ Elemental, and Sulfide Forms of Sulfur in Pyrites (Opredeleniye sul'fatnoy, elementarnoy i sul'fidnoy sery v piritakh)

PERIODICAL: Inform. sb. Vses. n.-i. geol. in-t, 1956, Nr 3, pp 137-139.

ABSTRACT: A modified form of the method of Gurova and Bolotinikov (Zh. Rezinovaya prom-st', 1933, Nr 6) was used for determining elemental S. The essentials of the technique are given. A sample of pulverized pyrite is placed in a porcelain dish. A quantity of solid sodium sulfite, 10 times that of the sample, is added to the pyrite. The mixture is ground with a pestle, placed in a test tube, covered with a thin layer of Na_2SO_4, and heated at 140° for one hour. After it has cooled, the contents of the test tube are transferred by warm water

Card 1/2

POTYNSKI, Jan

The possibilities for the increasing of electric power production in plants of the chemical industries. Przem chem 39 no.11:693-694 '60.

1. Biuro Projektow Przemyslu Organicznego, Warszawa

POTYŃSKI, Jan

Spilling's motors for the chemical industries. Przem chem 39 no.11:694-695 '60.

1. Biuro Projektow Przemyslu Organicznego, Warszawa

POLON

10962* Industrial Air Conditioning. Klimatyzacja przemysłowa. (Polish.) J. Potyński. *Przemysł Chemiczny*, v. 11, no. 3, Mar. 1955, p. 110-113.

Discussion of types of air conditioning units. Calculation of moisture in air, heat exchange, and other factors. Diagrams, graphs.

POTYNSKI, J.; SOBOTKOWSKI, W.

"Energetistic Measurements of a Carbide Furnace", p. 569, (PRZEMYSL CHEMICZNY, Vol. 10, No. 12, Dec. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

POTYNSKI, Jan

Economical thickness of heat insulation of pipe lines. Przem chem 40 no.9:491-495 S '61.

POTYNSKI, Jerzy, mgr inz.

Modern passenger car produced by the Railroad Rolling Stock Repair Shops in Ostrow Wielkoposki. Przegl kolej mechan 13 no.9:280-281 S '61.

POTYONDI, Istvan

"Chisholm's Handbook of Commercial Geography" by L. Dudley Stamp, S. Carter Gilmour. Reviewed by Istvan Potyondi. Foldr kozl 11 no.2:180 '63.

POTYONDI, Istvan

"Kuwait Oil Company Limited : The story of Kuwait". Reviewed by Istvan Potyondi. Geod kart 14 no.6:470 '62.

POTYRA T.

POLAND/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae. R

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40621.

Author : Potyra, Tadeusz
Inst :
Title : Some Remarks About Papillomasis Treatment of Large Animals.

Orig Pub: Med. weteryn., 1956, 12, No 7, 432-433.

Abstract: Recovery occurred after the second treatment and after a three-time autovaccination. An autovaccine was prepared by grinding 10 grams of killed papillomae with 50 milligrams of glycerine. After being filtrated through gauze, the suspension was administered subcutaneously in a dose of 15 milligrams every 4 days.

Card : 1/2

[redacted]

[redacted]

[redacted]

[illegible], A.

The problem of ore transportation in small freight and tramp ships.

p. 212 (Technika I Gospodarka Morska. Vol. 6, no. [illegible], Aug. 19[illegible]. Gdansk, Poland)

Monthly Index of East European Accessions (MEAI) LC. Vol. 7, no. 2, February 1958

POTYRALA, A.

"Problem of the Proportionate Resistance of the Movement of a Model an of Real Ships in Limited Water Depth." p. 172 (GOSPODARKA WODNA, Vol. 13, No. 5, May 1953) Warszawa

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No.10, October 1953. Unclassified.

DOWZENKO, Anatol; POTRZEBA, Andrzej

Light post insulin hypoglycemic state as an analgetic treatment of diseases of the nervous system. Neurologia etc. polska 4 no.5: 521-524 Sept-Oct 54.

1. Z Kliniki neurolog. A.M. w Poznaniu - kierownik prof. dr. A.Dowzenko

(CENTRAL NERVOUS SYSTEM, diseases
analgetic ther. post insulin hypoglycemia)
(HYPOGLYCEMIA
post insulin, analgetic ther. of CNS dis.)
(INSULIN, effects
hypoglycemia, analgetic ther. of CNS dis.)

POTYRALA, A., prof.

In connection with a publication concerning the beginnings of the Gdynia Shipyard. Bud okretowe Warszawa 8 no.4:143 Ap '63.

POTYRALA, A., prof.

Remarks on Krynica type vessels. Tech gosp morska 13 no.3:76 Mr '63.

POTYRALA, Aleksander, prof.

Technical progress has been a common cause of all shipbuilders.
Bud okretowe Warszawa 8 no.4:109-111 Ap '63.

POTYRALA, Aleksander

In search of historical truth without apology or apologetics. Bud okretowe Warszawa 8 no.1:7 Ja '63.

POTYRALA, Aleksander, prof.

An example of good cooperation aiming at technical progress. Bud okretowe Warszawa 9 no.4:115-116 '64.

1. Technical University, Gdansk.

POTYRALA, Aleksander, prof.

It is different in the fields of civil engineering and technology.
Przegl techn 81 no.24:18 Je '60.

POTYRALA, Aleksander, prof.

Certain erroneous construction concepts in the rules of some classification societies. Bud okretowe Warszawa 8 no.12:409-413, 414 D'63.

1. Politechnika, Gdansk.

POTYRALA, Aleksander, prof.

Problems connected with the disproportion of the strength of transverse tying points of ship hulls. Bud okretowe Warszawa 6 no.8: 241-246 '61.

1. Politechnika Gdanska.

(Ships) (Strains and stresses)

POTYRALA, Aleksander, prof., (Gdansk)

On the 25th anniversary of initiating in Poland the training of shipbuilding technicians. Bud okretowe Warszawa 6 no.9:265-267 '61.

(Poland—Shipbuilding)

POTYRAIA, Aleksander, prof.

What has been expected from graduates of technical graduate schools? Przegl techn [84] no.44:7,8 4 N '62.

1. Politechnika, Gdansk.

POTYRALA, Aleksander, prof.

Deliberations on the noncontinuous strength of bracketed connections and new concepts of certain internal bindings in the construction of ship hulls. Buk okretowe Warszawa 8 no.2:46-51 F '63.

1. Politechnika, Gdansk.

POTYRALA, Aleksander, prof.

Problem of cooperation of science and industry in theory and practice.
Przegl techn no.52:3 30 D '62.

1. Politechnika, Gdansk.

POTYRALA, Aleksander, prof.

Training of ship building engineers in the field of labor safety and hygiene. Bud okret 7 no.4:103-105 Ap '62.

1. Politechnika Gdanska.

POTYRALA, Aleksander, prof.

Problems of the proper directions and methods of training graduated shipbuilding engineers. Bud okretowe Warszawa 7 no.9:283-288 S '62.

1. Politechnika, Gdansk.

POTYRAIA, Aleksander, profesor

Trends of changes in educating engineers. Przegl techn no.45:7-9 11 N '62.

1. Politechnika, Warszawa.

POTYRAIA, Aleksander, (Gdansk)

On the need of research in the history of Polish shipbuilding. Bud okretowe Warszawa 7 no.10:319-321 O '62.

WIEWIORSKI, S., mgr., inz.; POTYRALA, A., prof.

Plans for coastal passenger ships; a discussion. Tech gosp morska 11 no.9:267-270 '61.

1. Politechnika Gdanska.

BURCZYNSKI, Eugeniusz; KORYCKI, Ziemowit; POTYRALA, Boleslaw.

Apropos of epistaxis in children during the influenza epidemic in 1958-1962. Otolaryng. pol. 17 no.4:465-468 '63.

1. Z I Oddzialu Otolaryngologii Dzieciecej Klinik Dzieciecych Akademii Medycznej w Warszawie. Kierownik: doc.dr.med. J.Danielewicz.

*

POTYRALA, Boleslaw; SOBIESZCZANSKA-RADOSZEWSKA, Lucja; URBANSKA, Izabela.

Studies on hearing in children. Otolaryng. pol. 17 no.4: 377-379 '63.

1. Z Instytutu Matki i Dziecka i z Kliniki Otolaryngologii Dziecicej .Kierownik: lek. D.Borkowska-Goertig.

POTYRALA, Tadeusz, mgr inz.

Meteorological reports for the mining industry.
Wiadom gorn 14 no.1:39-40 Ja '63.

POTYRALLO A. Klin. Chorob nerw. Akad. med. w Poznaniu. Powrozkowe zwyrodnienie rdzenia a pelagroidy Myelosis funicularis pellagroid diseases Neurol. Neurochir. Psychiat. polska 1951, 1/3 (161-176)

Description of 4 cases of myelosis funicularis with no marked blood changes in which there were symptoms of pellagroid disease. The deficiency of vit. B_2 is supposed to be the cause of these pellagroid symptoms (changes in the skin, alimentary, mental and visual disturbances).

Jakimowicz - Krakow

SO: Excerpta Medica, Section VIII, Vol 5, No 10

POTYRALLO, A.

Degeneration of the spinal cord and pellagroids. Neurol. neurochir. psychiat. polska 1 no.3:161-176 1951. (CIML 21:5)

1. Of the Neurological Clinic (Head--Prof. A. Dowzenko, M.D.) of Poznan Medical Academy.

BEREZHNOY, A.I.; KULAGIN, P.G.; POTYUKAYEV, M.A.; SIMONOV, V.V.

Possibilities of making clayless drilling fluids from polymeric coagulants and brines. Izv. vysh. ucheb. zav.; neft' i gaz 6 no.3:29-34 '63. (MIRA 16:7)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M. Gor'kogo, Ukrainskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta gaza i iskusstvennogo zhidkogo topliva, i Khar'kovskiy sovet narodnogo khozyaystva.
(Oil well drilling fluids)

ZHOLKOVER, T., inzhener-mayor; PETROV, I., inzhener-polkovnik;
POTYUKOV, N., inzhener-mayor

Periodicity of operational testing. Av. i kosm. 46 no.5:49-51
My '64. (MIRA 17:7)

POTZL, O

Leukotomy and the autonomic nervous system. Acta neuroveget. 1 no. 3-4:317-341 1950. (CLML 20:4)

CZECHOSLOVAKIA

POUBA, A.

Prague, Casopis pro mineralogii a geologii, No 2, 1964, pp 241-243

"Symposium on the Origin of Postmagmatic Mystery."

CZECHOSLOVAKIA

POUBA, Z.

Natural Science Faculty of Charles University (Prirodovedecka fakulta Karlovy university), Prague

Prague, Casopis pro mineralogii a geologii, No 4, 1964, pp 500-501

"Sixteenth Mining Session at Freiberg."

POUBA, Z.

20th International Geological Congress in Mexico. p. 35. (Rud, Vol. 5, No. 1, Jan 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

POUBA, Z.

Spinar, Z. Stratigraphic situation in the environs of the zeolin deposit near Chlumcany in the southern part of the Plzen basin. p.145.
VESTNIK, Prague, Vol. 29, no. 4, 1954.

SO: Monthly List of East European Accessions. (EEAL), LC, Vol. 5, No. 6 June 1956, Uncl.

POUBA, Zdenek, prof. RNDr., kandidat geologicko-mineralogickych ved

Some formal shortcomings in geologic publications. Geol pruzkum 6 no.8:241-242 Ag '64

1. Charles University, Faculty of Natural Sciences, Prague.

[redacted], [redacted], prof. dr.

Symposium on the problem of the origin of postmagmatic ore mineralization. Czas min geol 9 no.2:124-243 '64.

POUBA, Z.

GEOGRAPHY & GEOLOGY

PERIODICAL: VESTNIK. Vol. 33, no. 3, 1958.

POUBA, Z. The geology of Mexico, p. 219.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2, Feb 59, Unclass.

POUBA, Zdenek

"Origin of the Upper Devonian iron ore of the Lahn-Dill type in east Thuringia" by H.J.Rosler. Reviewed by Zdenek Pouba. Cas min geol 8 no.4:436-437 0 '63.

POUBA, Zdenek

Sixteenth Meeting of the Academy of Mining in Freiberg. Cas min geol 9 no.4:500-501 '64.

1. Faculty of Natural Sciences of the Charles University, Prague. Submitted May 1, 1964.

3

CZECH

Some new finds of ores in the Mesozoic series at Šumiac and Švermov in Slovakia. Zd. Pouba (Charles Univ., Prague). *Sborník Ústřed. Ústavu Geol.* 20, 193–202(1953) (English summary, 203–4).—Study of the new Fe and Cu ores in the metalliferrous mountains and the Low Tatra in the West Carpathians showed that mineralization probably occurred later than the formation of the Carpathians.

H. Newcombe

DC RH

Pouc, K.

CZECHOSLOVAKIA/Chemical Technology. I-26
Chemical Products and Their Application--Synthetic fibers.

Abs Jour: R Zhur-Khimiya, No 3, 1957, 10087

Author : Pouc, K.
Inst : Not given
Title : Removal of Monomer and Size from Nylon Fiber and Silk [sic]

Orig Pub: Textil, 1955, Vol 10, No 3, 88-89 (in Czech)

Abstract: The presence of monomer and size on nylon fibers may have undesirable effects on the further processing of the fiber and must therefore be removed. The size, usually consisting of mineral oils to which emulsifying agents have been added, is determined by extracting twice with gasoline, distilling the gasoline, and drying the residue to constant weight at 70°. For the determination of the monomer the nylon sample from the preced-

Card 1/2

L 33201-66

ACC NR: AP6023816 SOURCE CODE: CZ/0014/66/000/001/0020/0020

AUTHOR: Poucha, Karel (Engineer) 27 8

ORG: none

TITLE: Voltage calibrator for oscilloscopes

SOURCE: Sdelovaci technika, no. 1, 1966, 20

TOPIC TAGS: oscilloscope, voltage regulator, circuit design, instrument calibration equipment

ABSTRACT: The article discusses the problem of control of the voltage fed to oscilloscopes and the requirements to be met by voltage calibrators for such equipment. It presents a description and the circuit of a calibrator meeting those requirements. Orig. art. has: 4 figures. [JPRS]

SUB CODE: 09, 13 / SUBM DATE: none

Card 1/1 pla

0715 1545

[illegible], [illegible]

Trinact tisic kilometru [illegible], [illegible], [illegible] a [illegible]. [illegible], [illegible] solvo-Melantrich, 195[illegible]. [illegible] p. (Thirteen thousand kilometers through [illegible] by car, steamer, and airplane. 1st ed. illus., plate, map, bibl., index, notes, tables.

SO: Monthly Index of East European Accessions (EEAI) LC Vol. [illegible], no. [illegible], [illegible]

POUCHKAROVA, Z. V.

"Recherches dans la serie de la phenazine. Communication II." Pouchkarova, Z. V., Postovskij, I. J. (p. 163)

SO: Journal of General Chemistry (Zhurnal Obschei Khimii) 1938, Volume 8, No. 2

POUCHLY, J.

The kinetics of adsorption form solutions. Part 3: The effect of the shape of adsorbent particles. Coll Cz Chem 25 no.5:1397-1412 My '60.

1. Department of Physical Chemistry, Institute of Chemical Technology, Prague.

POUCHLY, J.

Sorption isotherms for some more complex models of the sorption mechanism. Coll Cz Chem 29 no.2:457-463 F '64.

1. Institute of Macromolecular Chemistry, Czechoslovak Academy of Sciences, Prague.